

ABSTRACT OF THE DISCLOSURE

A seal fitting for use in connecting the lead wire from the sensor on one side of bulkhead or housing to a thermocouple (TC) or resistance temperature detector (RTD) on the other side of the sensor or housing, intended for use in applications in which the sensor is located in oil, and usually oil under pressure, such as in a turbine or compressor. The
5 seal fitting is mounted to a port on the bulkhead/housing and includes means for clamping the lead wire from the TC or RTD sensor in electrical contact with a male conductive pin and means for clamping the lead wire from the TC or RTD in electrical contact with a female conductive pin. Both the male conductive pin and the female conductive pin are enclosed within male and female connectors that are assembled in such a way that the
10 conductive pin passes through a ceramic to metal seal at a ceramic insulator to both seal electrically and prevent wicking of the oil along the wires.